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McCollum

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(54) **OUTDOOR UPS UNIT SYSTEM AND METHOD**

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See application file for complete search history.

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(57) **ABSTRACT**

In accordance with presently disclosed embodiments, an uninterruptable power supply (UPS) is provided. The UPS utilizes two chambers, one which is pneumatically sealed to house control electronics, and one that is not sealed that houses transformers. The pneumatically sealed compartment is cooled through a heat exchanger or air conditioner as well as through a heat sink. The chamber which houses the transformers is cooled by a fan which circulates air from outside the chamber through the chamber and out vents in a wall of the chamber. The UPS may utilize a series of ducts to direct air flow into the chamber housing the transformers in such a way that the air enters the bottom of the chamber past the control electronics and through vents near the front of the chamber. The UPS may utilize a series of ducts to direct air flow past the heat sink attached to the pneumatically sealed chamber.

20 Claims, 4 Drawing Sheets

